App F IX 4

Previous References (194) **File No** 5^-39

Serial Nos 1 3

Later References

GENERAL AND REVENUE SECRETARIAT

Serial Nos Three

Part B for

SUBJECT

Amounts required for Antimalarial works for 1941-42

For Final orders please see file No 94-41/15-1938 and

K.

Malaria Survey Koppa Town

28 General and Revenue Secretariat | File No 14 5 of 1939 264 [App F III-3

Serial No

From the Director of Public Health
No C 426-10 & 17/7/39
Forwards for information
a copy of the report of the Superintendent, Anti-Malaria Operations on the Malaria Survey of Koppa Town

SECY DEPT 19 JUL 1939 MYSORE

Submitted for perusal. The map of the estimates sent for the two several measures will be awaited, if approved

14/7

Dewan Sahib

1917

1 Gen +

2 Director of Public Health
Letter No C 426-13 & 17/7/39
Forwards a sketch of Koppa town showing the various breeding places etc, as an enclosure to the (Report)
The receipt of the estimate & cost may be awaited

26/7/39

Gen +

GEN & REV SECTT 31 JULY 1939 GEN MIS BRANCH

NOTE—Minute Sheet

R.T.O

Malaria Survey, Kopha town

PH File No 5 of 1939 | General and Revenue Secretariat.

Serial No 3

From the Director Public Health
letter No. C 238—11 dy 21 3 41
Forwards an estimate for Rs 14,000/- for permanent measures for the prevention of Malaria in Kopha town
The source from which the cost of the estimate is to be met is (not specified.

With his letter dated 15 4 40 (Flag D) in the linked file the Director enclosed a Statement of places where anti malaria measures were in progress or were under Survey Kopha is not included in that Statement He requested for a lumpsum grant of Rs 5000/- for these measures from the Town Improvt grants and he was informed in this office letter dated 21 3 41 that no additional grants under Town Improvt would be possible and that if any work is to be urgently taken up, its cost has to be met by reappropriation in the budget grants by postponing less urgent works For orders A separate reference has been made by the Director PH & Sanitary Dept to the Secretariat for the requirements for certain

See 5/41

MWS 1/4/41
MJ 1/4

4627 Malaria Survey Koppa town

General and Revenue Secretariat | File No | of 194 | [App F III-2

Serial No	
	Town authorities Koppa, for allotment under Town Improvement Fund. This question may perhaps be referred to the L.S.G. Branch for action.
	TMO 5441
	Ly 5/4

L S G

NOTE—Contn Sheet

File No of 194

General and Revenue Secretariat

Serial No

Allotment for anti malaria in the State

General and Revenue Secretariat | File No | of 194 | [App F III-2

Serial No

From the Director of P. H.

Letter No C 1112-70 dy 18.4.40

Forwards a Statement showing the Commitments and promises already made under Town Improvement and water Supply grants for 1940-41 and a Statement showing the allotments required under the two heads

The allotments required are classified under 3 heads as under

1) Improvement of Town & Drainage Municipalities & Boards etc

2) Water Supply in towns

3) Control of Malaria in different towns

Action is being taken in the Eng Branch on items 1 & 2

Re item 3. The Director of P H wanted a lumpsum grant of Rs 50,000 for anti malaria measures (Engineering) in the several towns in the State The file is referred to the Dl Secy on 30/4/40. Orders on that file will be awaited.

Dno 4424 pm

SECY 3 MAY 1940 DEPUTY GCI

2/5/40

Dy Secy 2/5

Dy Secy 2/5

Secy 7/5/40

NOTE—Contn Sheet

File No. of 194

General and Revenue Secretariat

Serial No

1696 Amounts required for anti malaria urgency measures in towns during 1941-42

General and Revenue Secretariat | File No | of 194 | [App F III-2

Serial No

From the Director PH
letter no C 1453-4 of 29 3 41
Forwards a Statement of amounts required during 1941-42 for anti malaria Engineering works in Hericgeri, Belur, Mudgere, Sakreshpur & Koppa

Dewan's note on P.W.D.

This paper was taken for reference at the meeting today in the Dewan's Chambers. The subject came up for discussion the Director of PH explained the Bore from 1 the need for the proposed grants in respect to each of the items in the enclosed Statement

2) The Dewan instructed that the Case might be worked up very early & that particularly in regard to Hericgeri that the work that has been ask, might be completed with the help of Town Improvement Grants Initd M V V 4/4

Law Secy no) Initd M V V 4/4

4) Subd - The nature of all the above Works are Anti Malarial Works

5) This is a subject to be dealt with, by the PH Section of the G M Branch

6) The total outlay required for the above Works being huge by more than Rs 60 000/, the Govt have to make a separate Grant for expediting the Work during 1941-42

7) If approved, this will be transferred to the G M Branch for taking further action

NOTE—Contn Sheet

PA 5/4

1/w 5/4/41 Dy Secy 5-4
for C M Bommenahalli

Serial No

9) The amounts shown in the Statement as required during 1941-42 for Malaria Control by Engineering Measures in the Towns referred to are as detailed below

1) Honnavar - For Complete Canalisation of the river bed and subsoil drainage of the Valley - - 40,000/-

2) Belur - For Canalising and draining the Vishweswaraiah Valley and draining out the minor Nalas - - 3,000/-

3) Madegere - For Construction of a syphon across the Yenehole river - - - 2300/-

4) Sakrepatna - Filling in two big pits at Sakrepatna - - ~~2,500/-~~ × 1500 as per the

5) Koppa - 14,000/-

Rs. 61,800

10) The total amount required is said to be ~~66,800/-~~ Rs 60,800

11) In the letter No C.1168-6/39-40 dated 26 9 40 the amount proposed by the District as required during 1940-41, is Rs 28,300/- for the above works except Koppa which was not included. Flag Z

12) In the case of Honnavar the amount then proposed was Rs 20,000/- and that now proposed is Rs 40,000/-

In the case of Sakrepatna the

Amounts required for anti malaria Engineering
Estimates during 1941-2

General
S/

Flag L
[illegible]

Sl No	Name of work	Amount of estimate	Outlay	Amount required during the year 1941-42
		Rs	Rs	Rs
1	Hiriyur (For complete canalisation of the river bed and sub-soil drainage of the valley)	60,570/-	11,000/-	40,000/-
2	Belur (For canalising and grading the Vishnusamudra valley and draining out the inner moat)	4,750/-	4,677/-	3,000/-
3	Mudigere (For construction of a syphon across the Yennehole river at Mudigere)	4,520/-	nil	2,300/-
4	Sakkare-patna (Filling in two big pits at Sakkarepatna)	8,750/-	1,230/-	8,076/-
5	Koppa	14,000/-	nil	14,000/-

L 7376

Director of Public Health

NOTE—Comm. Sheet

BEOY DEV DEPT
28 MAY 1941

now proposed is Rs 40,000/-
In the case of Sakrepatna Dist

Accounts required for anti malaria Engineering works in towns during 1941-2

General and Revenue Secretariat | File No | of 194 | [App F III-2

Serial No

amount then proposed was Rs 3,000/- & that now proposed is Rs 7500/- which seems to be an error in typing for Rs 1,500/- An amount of Rs 14,000/- has been freshly added for Kolhapur will be

13) The Director of P H requested to state whether the work proposed for Haveyur then & now with a difference of cost of Rs 820 only/- are identical in the case of Sakrepatna he will be asked to state whether the amount of Rs 7500/- is correct. for orders. The item for amount Rs 40,000 for Haveyur has not been explained

Dear Key 16/4

16) This may be referred to the Dir P H & O for remarks on the above points. d 17/4

Forwarded, with Compliments to the Dir of Public Health for favour of remarks.

for Secretary to Government

Retransmitted with compliments to the Secretary to Government Development Department

15) In the proposal sent with this office letter No C 1168-6 dated 26th September 1940,

NOTE—Comm. Sheet

BEOY DEV DEPT 17 APR 1941 GOVT OF MYSORE

27/5/41 1453-15

H.O. 247/40-41 dated 18/4/41

U-O-C 1453-17 27/5/41

BEOY DEV DEPT 28 MAY 1941

the amount asked for anti-malaria works at Hiriyur was Rs 20,000/- This amount was for canalising one section of the river, for only a portion of the work could be done during the year 1940-41 It is felt now that the work will be best done if the whole work is taken up and hence a sum of Rs 40,000/- is asked for during 1941-42

16) For filling in the two big pits at Sakkarepatna the total estimated cost is Rs 9,306/- The outlay upto-date is Rs 1,230/- The sum of Rs 9,306 comprises a sum of Rs 8,076/- towards the cost of acquisition and Rs6250/- for engineering measures The amount now required is Rs 8 076/- as against Rs 7,500/- shown in the statement referred to in the Unofficial File A revised statement is attached herewith for the information of Government.

Yrs Dawnick
Director of Public Health

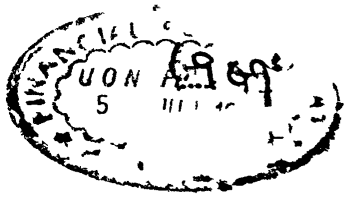
17) The total amount stated to be required as indicated in the statement enclosed is Rs 67,376/- This is to be provided for as a separate Grant for engineering works for the towns referred to, in the year 1941-42

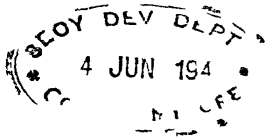
MK 8/6/41 by 4/6

18) Linked with reference to para 13 the amount may not be possible to be provided from the Town Improvement Grant the big item A Scheme a grant has to be made Finance may be consulted

Dev Secy 19) A Sum of Rs 30000/- may perhaps be made

Member Thro Secy





Yrs 4/6/41
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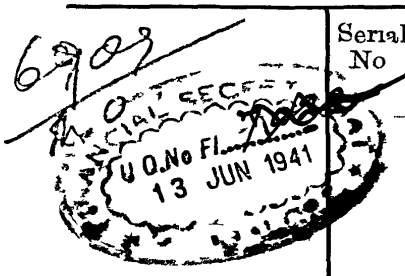


Serial No

20) Under present conditions of Revenue finance, it is impracticable for the F D either to agree to or to consider an additional grant as proposed The request is not susceptible of being complied with

AD
14/6/41
JM
13/6/41
CS

21) An additional grant as suggested seems very necessary, at least to complete the works on which outlay has already been incurred so far

119/13641

Minister L S G
& Minister fin & Rev

MM
13/6/41

22) The H Secy will discuss this with me early if possible at the Assembly hall tomorrow morning

13641

12821/14641

Place 6-

23) I had a general talk with the Minister for Finance in this matter

24) The scheme is costly, entailing expenditure to the extent of Rs 67,376 and the Development Secretary suggested that a provision of Rs 30,000 might be made The Budget for 1941-42 has been fixed up and at this stage it is not possible or expedient to sanction an additional grant even before the commencement of the year to which it relates and when the Budget is still under discussion

NOTE—Contn Sheet

Amounts required for Anti-malaria works in 1941-42

4696

File No of 194 | General and Revenue Secretariat

Serial No 6909 No.

in the R A I still feel that it is not possible to commit ourselves to a large extra grant now

25) I would therefore suggest that a more detailed report may be obtained from the Director, as to the work or works which have already been started and are in progress, their estimated cost, probable outlay till the end of the current year and minimum provision necessary therefor in the next year's budget Expenditure to this extent alone need be authorised after scrutinising details, the cost being met by reappropriation from the Town Improvement Grants in the first instance

26) If later on, the provision for Town Improvement Grants requires to be augmented on this account the Director may apply for the bare minimum additional grant

(Mr for Finance)

17/6/41

12935 — 17/6/41

WQ 18/6/41

27) Yes

WQ. 20-6-41

WQ 20/6/41

28) Dft letter Submitted

MWS 29/6/41

29) Issued today

30/6

To the Director of P.H.

No Q-11418 dt 30-6-41

Requests him to furnish a more detailed report as to the work or works which have already been started &c., and

Amounts required for anti-malaria works in 1941-42

General and Revenue Secretariat | P/H | File No 3720 of 194 | L.b.'b | [App F III-2

Serial No	
	Draft Memorandum prosecution necessary items for in the budget for 1941-42. Submitted with a draft minutes. E 10/11/41 Issued by 10/11 Issued No. E. 4493 D 11-11-41. From- The Director of Public Health No. E 1868 D 15-1-1942 To a copy of his letter addressed to the Secretary to Govt. Law department noting the amount required for anti-malaria works in certain places The original letter of the Director submitting proposals for anti-malaria works at Hongren, Belur, Mudgeal. Koppa and Sakrepatna has been addressed to the Law Secy Govt If approved, the L S G Dpt will be requested to intimate what action has been taken in the matter E 26/1 by 26-1 Mr. Bokhari L S G Dpt) The H. S. G. File on the subject is herewith for perusal and return Feb 6/2 6/2

TYPING SECTION 10 NOV 1941

3720

NOTF—Contn Sheet

Amounts required for Antimalaria Works

File No PH 41 / of 194 | General and Revenue Secretariat

Serial No

The L.S.G. Branch file linked below is for perusal. The D.P.H. had submitted a proposal regarding the amounts required for antimalaria works in 41-42. Requiring a sum of Rs 42,761/=. The L.S.G. Br have requested the D.P.H. to submit a well considered estimate for each town separately as it is not possible to make any funds available from the Town Improvement grants for the above works. The reply is still awaited there.

For the query from this Branch asking for a detailed report as to the works which have already been started and are in progress, their estimated cost, probable outlay, minimum provision necessary for 41-42 etc, the D.P.H. has sent a copy of the letter addressed to the Law Secy without indicating the minimum requirements for 41-42.

Submd for orders

19/2

The file may with be sent to the L.S.G. Br for being dealt with them

19/2/42

Transferred to L.S.G. Br)

28

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

PH 5-39-1 & Dr 264

Telephone No 2144
Telegram HEALTH

SESHADRI ROAD,

Bangalore (S India) dated July 7, 1939

No C 426-10
Encl Enc report

FROM

P PARTHASARATHY ESQ LMS BSSc LRCP LRCS DTM DPH
Director of Public Health with the Government of
His Highness the Maharaja of Mysore Bangalore

To The Secretary to Government,
Development Department, Bangalore

SIR

Subject Malaria survey of Koppa Town

I have the honour to enclose for favour of information of Government, the report of the Superintendent, Bureau of Epidemiology on the malaria survey of Koppa Town Copies of the report have been forwarded to the Deputy Commissioner, Kadur District and the Sanitary Engineer for taking necessary further action I shall submit the total estimated cost for the several permanent measures suggested after the receipt of the report from the Sanitary Engineer

I have the honour to be,
Sir
Your most obedient servant,
P Parthasarathy
Director of Public Health

Rainfall & Climate. Although there was rain to the extent

MALARIA SURVEY OF KOPPA TOWN

Koppa town is situated on a ridge on the Tarikere-Agumbi ghat road about 40 miles west of Tarikere It is the headquarters of the taluk of the same name in Kadur District and is a Municipality It lies right in the midst of heavy forest in the interior of typical malnad country with a small area around it, cleared of jungle for purposes of cultivation and town improvement The town extends for about a mile along the main road, and further towards south-east for about a mile up to Balagadi Thus, the town proper consists of three blocks namely, the upper and the lower Koppas within about half a mile of each other on the main road, and Balagadi at a distance of a mile towards south-east The latter is separated from the other two Koppas by a perennial stream known as 'Musuray Hulla', which flows about midway from south to north A wide valley practically surrounds the two Koppas and is covered by rice fields and arecanut gardens There are a number of small hallas carrying the drainage water through the gardens and paddy fields to the Musuray Hulla The three blocks of the town lie on high ridges, whence the land slopes off gradually towards the valleys lying between them The remaining area around the town is still a thick forest

MALARIA SECTT. BRANCH

The town consists of about 250 houses with a population of 1000 The bulk of the population is in the two Koppas, while the Balagadi extension has the taluk office buildings, the official quarters and a few other labour sheds

The town has a pipe water supply from a tank a few miles away There are about 15 wells in the town most of which are not in daily use, as they appeared neglected with plenty of rank vegetation facilitating culex breeding The subsoil water level in the wells varied from 12 to 40 ft from below upwards along the slopes of the town

Rainfall & Climate. Although there was rain to the extent

extent of over an inch already during the month of April, yet the town and country around was dry The record of rainfall in Koppa town for the preceding 6 years is given in table I It is observed that on an average the town gets over 100 inches every year with most of the rain in the monsoon months commencing from June to end of September

Hospital Statistics Percentage of malaria cases treated in the male and female department of the L F Dispensary at Koppa Town for the preceding 6 years is given in table II It is observed that on an average, 50 percent of the cases treated in the hospital was for malaria

Spleen examinations The previous spleen survey of this place was done during September 1931 by the Superintendent, Bureau of Epidemiology, when, the average spleen rate for the town was found to be 53 7 percent During the present survey, children were examined in all the three sections of the town, and distributing them to their places of residence, the spleen rate for upper Koppa was 40%, 40 6% for lower Koppa, and 80% for Balagadi The present survey was made during April 1939 and out of a total of 224 children under 12 years examined, 117 were found with enlarged spleens of varying degress of enlargement giving a spleen rate of 52 2 percent for the whole town The details of the degree of examination together with the numbers examined in each section of the town are as follows

Spleen Examinations

Section of town	No Ex	1	1	2	3	4	Total Post	% of Spleen
Upper Koppa	54	8	13	7	1	-	29	53 7
Central Koppa	56	12	6	5	1	1	25	44 6
Lower Koppa	60	10	12	6	3	-	31	51 7
Balagadi	54	11	13	4	3	1	32	59 2
Total	224	41	44	22	8	2	117	52 2

Comparing the above figures with those of the previous survey, it will be observed that the incidence of malaria in the town has been practically the same since the last survey though the spleen rates in individual sections show slight variations

Deaths caused by 'Fevers' Percentage of deaths caused by fevers in Koppa town during the preceding 6 years is given in table III It is observed on an average, 25 2 percent of all deaths in the town during the period is reported as being due to fevers, most of which is probably due to malaria

Anopheline Breeding Areas A search was made for anopheline breeding, in and around the town within a radius of half a mile and anopheline breeding was found in a large number of places The carrier species were found confined to valleys with running water and streams A spot map of the town showing the various breeding places together with the species of anopheline breeding were noted

(1) Husuray Hulla - This is a perennial stream flowing northwards along the valley The sides of this hulla are irregular and covered enormously with grassy growth The current of flow is slow at present The hulla was examined for anopheline breeding in four sections from below upwards, viz ,

1 Below the Balagadi bridge
2 Close to the Travellers' Bungalow
3 Below the Foot bridge
4 Below the main road bridge

The following species of anophelines ere found breeding in it -

A subpictus	in large numbers
A culicifacies	Moderately
A annularis	- do -
A lar ari	- do -
A fluviatilis	In small numbers
A splendidus	- do -

(2) Valley close to the town -

A hyrcanus A subpictus

A barbirostris

(3) Small

(3) Small Pools and Feeder Valleys of Musuray Hulla with slo running water in paddy fields -

A subpictus
A annularis
A jeyporensis
A culicifacies

A fluviatilis

(4) Swamps -

A jeyporensis
A karwari

(5) Wells -

A subpictus
Culex mosquitoes

It is observed that the chief sources of the carrier species of anophelines were the Musuray hulla and the feeder valleys in paddy fields

The following species of anopheline adults were caught and identified -

A vagus	2
A subpictus	4
A annularis	3
A culicifacies	2
A karwari	3
A jeyporensis	4
Total	18

Brief summary of Findings -

(1) History of prevalence of malaria in the town and surroundings

(2) High percentage of deaths caused by fevers mostly malarial in the town as per local records (25 2 percent)

(3) High percentage of malarial patients treated in the local hospital (49 2 percent)

(4) The existence of the Musuray hualla and its numerous feeder valleys within the half mile zone where A fluviatilis presumably the local carrier breeds

The conditions of anopheline breeding within the half mile zone indicate that the malaria problem of this town is the same as in Udigere here A fluviatilis breeding in running waters is the only anopheline carrier definitely incriminated The problem of control of malaria in Kopa Town is therefore limited to the control of A fluviatilis breeding From the map it is

it is seen that Balagadi is the most exposed to invasion of the carrier anophelines and the incidence of malaria in this block is corresponding heavy

Koppa is a small town with a population of only about 1000 and as such any scheme for the use of larvicides like paris-green or oil would not only be too costly but being an interior town the question of adequate control of staff becomes difficult It is therefore felt that permanent measures like grading and lining the valleys, subsoil drainage, use of automatic or hand operated syphons and herbage packing of smaller drainage channels should be the measures of choice The Assistant Sanitary Inspector in Koppa town should with necessary extra help be able to attend to any maintenance of these necessary

It is therefore recommended that -

(1) The Kusuray hulla be cleared of marginal vegetation and two automatic flushes be installed at intervals of 3/4 of a mile each

(2) All the feeder valleys be graded and be either put underground by using tile pipes or suitably lined for their entire length

(3) A lumpsum annual provision be made for herbage packing of some of the hallas which are used as irrigation channels during the monsoon months

(4) Till such time as the measures above recommended are given effect to and for somtime after, arrangements may be made for giving a course of mass treatment with Totaquina and Plasoquine to the entire population in Balagadi just before the malaria season i e , about the month of October each year

Sd/- B Ananthaswamy Rao

Superintendent,
Bureau of Epidemiology

" Copy "

Director of Public Health

T a b l e - I

Record of Rainfall in Koppa Town - Kadur District from 1933 to 1938

Months	1933	1934	1935	1936	1937	1938	Average
January	-	0 29	-	-	-	-	0 05
February	-	-	-	0 12	-	-	0 02
March	0-58	-	-	1 59	0 60	0 41	0 53
April	3 07	-	1 20	0 77	2 48	2 78	1 72
May	8 11	0 16	0 48	2 73	2 13	0 67	2 38
June	30 14	21 10	15 18	27 50	19 51	33 51	24 49
July	40 89	30 67	53 56	33 70	55 19	32 19	41 03
August	18 99	35 81	16 49	25 64	16 78	22 30	22 67
September	17 59	5 71	20 14	14 54	7 42	7 98	12 23
October	11 24	5 11	8 51	9 71	7 83	4 12	7 65
November	1 52	0 65	-	1 12	0 08	0 44	0 64
December	1 06	-	1 57	-	0 75	0 20	0 60
Total	133 19	99 50	117 13	116 82	112 77	104 60	112 34

Sd/- B Ananthaswamy Rao

Superintendent,
Bureau of Epidemiology

" Copy "

Director of Public Health

T a b l e - II

Percentage of Cases of Malaria treated in the Male & Female Out-Patient Departments in the L. A. Dispensary, Koppa Town from 1933 to 1938

Months	1933	1934	1935	1936	1937	1938	A v e r a g e.
January	42 6	45 5	25 4	38 5	49 2	58 1	47 9
February	45 6	73 2	26 4	37 6	47 5	56 4	42 8
March	49 1	42 4	31 7	39 1	47 1	67 1	47 3
April	51 5	38 1	33 1	43 3	58 1	68 2	49 6
May	48 1	46 8	37 6	43 1	61 0	77 3	54 8
June.	48 8	45 2	40 6	60 3	59 8	77 6	56 5
July	47 2	51 7	43 5	55 4	59 0	78 4	57 4
August	42 5	43 1	38 1	42 8	49 6	69 4	48 6
September	51 1	34 2	35 1	41 1	49 9	66 1	47 0
October	44 1	31 5	29 6	44 5	52 4	66 6	46 7
November	35 9	23 1	30 5	45 7	38 5	67 1	41 2
December	45 4	22 2	34 2	45 6	58 3	54 2	45 5
Total	46 6	41 5	34 7	44 8	52 9	67 8	49 2

Sd/- B Ananthaswamy Rao

Superintendent,
Bureau of Epidemiology

" Copy "

Director of Public Health

T a b l e - III

Percentage of Deaths Caused by Fevers and All Causes in Koppa Town from 1933 to 1938

Months	1933		1934		1935		1936		1937		1938		Total		%
	AC	F	AC	F	AC	F	AC	F	AC	F	AC	F	AC	F	
January	6	1	2	-	6	1	2	-	1	-	3	-	20	2	10 0
February	2	-	-	-	4	4	1	1	2	1	3	1	12	7	56 3
March	1	1	4	-	5	1	2	1	1	1	1	-	14	4	28 6
April	1	-	-	-	3	-	2	-	2	1	2	1	10	2	20 0
May	-	-	3	-	1	-	5	1	2	-	3	-	14	1	7 1
June	1	-	2	-	3	-	4	1	1	1	5	1	16	3	18 7
July	-	-	-	-	2	-	3	3	4	-	-	-	9	3	33 3
August	3	-	4	-	1	-	3	-	5	3	3	1	19	4	21 1
September	5	1	5	2	2	-	7	3	3	1	5	1	27	8	30 0
October	15	4	2	-	-	-	1	-	5	4	3	-	26	8	30 8
November	2	-	3	1	5	2	1	1	2	1	-	-	13	5	38 4
December	2	1	2	-	6	-	-	-	4	1	-	-	14	2	14 3
Total	38	8	27	3	38	8	31	11	32	14	28	5	194	49	
Average per year	21	5	11	1	21	5	35	5	43	7	17	8			25 2

AC - All Causes (include 'Fevers' also)
F - Fevers only (deaths due to malaria & ordinary Fevers)

Sd/- B Ananthaswamy Rao

Superintendent,
Bureau of Epidemiology

Copy "

Director of Public Health

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

GM 437

Telephone No 2144 SESHADRI ROAD,

Telegram HEALTH

Bangalore (S India) dated July 17, 193 9

SECY TO DEV DEPTT 20 JUL 1939 GOVT OF MYSORE

No C 426-13

Encl Enc. sketch

FROM

P PARTHASARATHY ESQ LMS BSSc LRCP LRCS DTM DPH
Director of Public Health with the Government of
His Highness the Maharaja of Mysore Bangalore

To

The Secretary to Government,
Development Department, Bangalore

SIR

Subject Malaria Survey of Koppa Town

In continuation of this office letter No C 426-10 dated 7/10th July 1939, forwarding the report of the Superintendent, Bureau of Epidemiology on the malaria survey of Koppa town, I have the honour to send herewith a sketch of Koppa Town showing the various breeding places etc , as this forms an enclosure to the report

I have the honour to be,
Sir
Your most obedient servant,
P Parthasarathy
Director of Public Health

MAP
BLIND

Gen 4427

PH 5-39-3

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

P PARTHASARATHY LMS BSSc
LRCP LRCS DTM DPH
Director of Public Health
Telephone No 2144
Telegram HEALTH

SESHADRI ROAD,
Camp Hiriyur
Bangalore (S India) dated March 21, 194

PH SECY TO GOVT DEPT 24 MAR 1941 MYSORE

D O No C 238—11

Encl 165th make, 1 report 1 plan & 1 statement -

From

The Director of Public Health
in Mysore, Bangalore

To

The Secretary to Government,
Development Department, Bangalore

Sir,

With reference to this office letter No C 426-10 dated 10th July 1939 and subsequent reminder ending with No G 6087/P H dated 13th January 1941 regarding submission of the total estimated cost for the several permanent measures for the prevention of malaria in Koppa town, I have the honour to state that the estimate as prepared by the Sanitary Engineer amounts to ₹ 14,000/- I am enclosing herewith the report with estimate and plan as submitted by the Sanitary Engineer

This estimate was held over for scrutiny at a joint inspection of the several provisions made Unfortunately it has so far not been possible to visit Koppa for this purpose In view of the several reminders received, the estimate as submitted by the Sanitary Engineer is sent A grant for this amount is separately included in the statement requesting Government for sanction of lumpsum amount for anti-malaria engineering works in several places in the State

I have the honour to be,

Sir,

Your most obedient servant,

Director of Public Health

Report to accompany the estimate for anti malarial Engineering measures to be adopted at Koppa

---

Estimate amount - Rs 14,000/-

"

Koppa is one of the Taluk Headquarters of Kadur District It is situated on Tarikere Agumbe Road in mile 38 The town consists of three blocks namely, the upper Koppa, the lower Koppa, and Balagadi, which is separated from the two former by a stream known as Musarehalla The population of the town is about 1,000 and the town contains about 250 houses The average rainfall is about 100 inches per year According to the malaria survey conducted by the Superintendent, Bureau of Epidemiology, Bangalore, the breeding places of mosquitoes are as noted below -

1 The stream - Musarehalla

2 Feeder valleys to the above stream

Proposals

It is proposed to construct masonry anicuts of suitable sections across Musarehalla in two places, one near the bridge newly constructed and the other near the old bridge and instal Automatic Deviller's syphon in them By periodical flushing, the breeding of mosquitoes can be prevented A scouring sluice is also provided to remove the deposit of silt and to regulate the periods at which the syphons are to work

There are five valleys joining the stream Provision has been made to clear the jungle in them and to regrade them The sides and bottom are proposed to be protected with rough stone revetment Masonry grade walls are proposed at every 100 feet to keep the revetment intact

All other items of works that are necessary including temporary supervision charges are provided in the estimate

The estimate amounts to Rs 14,000/-

V Ethutcha Rao

Sanitary Engineer 27/4

N

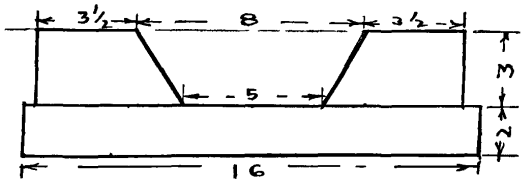
Details for prevention of Stagnation of Water in Hallas

Some hallas are said to require sectioning for this purpose (please vide report)

1 Naudu gudi Halla 2 Halla from the pond in Sekdar Subba Rao's Garden 3 & 4 From the side of Amuldars Quarters in Balagudu 5 Halla by the side of new bridge

1 The hallas are proposed to be sectioned now for a length of 1 furlong in each case

Jungle clearing 5 X 660 X 20 66000 Sft or 7333 Sqds



(Average Section for Calculation)

2 Constructing superstone in cement mortar grade walls across the halla as per existing Section of Halla

Foundation - 16 X 2 X 2 = 64

Superstructure 15 X 1½ X 3 = 68

132

Deduct for opening $\frac{13}{2}$ X 1½ X 3 29

103 Cft for each wall

3 Cement pointing @ 1 Sqr for each grade wall

4 Constructing Rough stone revetment to sides only of Halla for a sloping length of 5' including for foundation

5 Earth work

R Mutheswara
22/4/40

V Hutcha Rao
Sanitary Engineer, 23/4
Bureau of Sanitary Engineering
Bangalore
18/4/40

P W Genl 80] Division

PUBLIC WORKS DEPARTMENT

Details of estimate for Constructing an Ane across Musare halla at Koppa for installing Devillers Syphon to flush the Halla and Sectioning Hallas

Item No	Description of work	No	Measurement L	B	D	Contents	Total
1	Removing Sandy stuff, slush and earth and exposing bed for laying foundation —	1/1	42	5	—	420 Cyd	6 - 0
2	Chiselling and removing hard rock for laying foundation of Ane — For as in —	1	90	3½	—	315	
	For Returns — —	2	12	3	—	72	
	For Syphon portions		4	5	—	13	
	Total in Sft	—	—	—	—	400	Sft - 5 - 125
3	Laying cement concrete where ever necessary to fill up hollows (1 2½ 5) —		4	5	—	100	Cft - 8 - 50
4	Constructing body wall and returns with Rubble stone in cement mortar.						
	Body wall — —	1	90	2+3½ / 2	3½	866	
	For returns — —	2	12½	2	3½	175	
	— — Steps — —	2	5+12 / 2	1½	6	153	
						1194	
	Deduct for -						
	Concrete slab over body wall	1	90	2	½	90	
	For Steps —	2	12	1½	½	18	
	For portion where R C C wall is built in the body wall	1	5	2+3½ / 2	3½	48	
						156	
	Balance in Cft -	(1194 - 156)			—	1038	Cft - 9 - 584

Carried Over

761

Item No		No	L	B	D	Contents		Tot	
	Brought Forward								
5	R C C retaining wall in front of Syphons	1	5	$\frac{1+1\frac{1}{2}}{2}$	$3\frac{1}{2}$	23	Cft	2	
6	Constructing a scouring sluice in the body wall of Arch by the side of Syphon, providing & fixing C I shutter Kits patent with locking arrangements etc, Complete	1				1		L S	
7	providing and fixing Deorders Syphon with $1\frac{1}{2}$ dia pipes etc complete including all fixtures	2	-	-	-	2	Ea	230	5
8	Cement pointing to body wall Gauging in	1	90	8	-	720			
	Returns	1×4	$\frac{12+5}{2}$	-	6	204			
	Body wall of returns	1×4	12	$3\frac{1}{2}$	-	168			
	Extra		-	L S		28			
	Total in Sqrs		-	-		1120	Sqr	3	3
9	Constructing rough stone revetment for returns including jolly filling & wedging	1×4	20	$1\frac{1}{2}$	8	960			
	Extra & to otherplaces		L S			120			
	Total in Cyds		-			1080			
						40	Cyd	28	10
10	Barlungotwaten						L S		7
11	plastering the bed of Syphon with cement mortar (1 2)		L S	-	-	50	Sqr	10	-
12	Constructing ring bunds		-	-	-	1	Each	50	- 3
	Carried Over								167

Whether this work be necessary after further protective works are constructed shortly

A Sf 10

W Genl 80]

Division

PUBLIC WORKS DEPARTMENT

Details of estimate for

Item No	Description of work	No	Measurement L	B	D	Contents		Total	
									1671
13	Laying cement concrete slab								
	over body wall	1	85	2	½	85			
	Steps	2	12	1½	½	18			
	Extra		2 S		—	12			
	Total in Cft		—	—	—	115	Cft		115
14	Unforeseen Charges	—	—	—	—		2 S	-	208
15	Temporary establishment (Temporary Mastry on Rs 225/- p M for 4 months)						2 S		100
									2100
16	Cost of constructing another								
	one lower down the Halla as above			—			—	Rs	2100
			Total cost for 2 Anes					Rs	4200/-
	Constructing Revetment for Sides of Halla & Sectioning Halla to prevent Stagnation of water								
1	Jungle clearing	5	660	20	—	66000 or 7333	Sqft	- 3	115
2	Constructing Seye stone in cement								
3	mortar grade walls @ 7 walls per Halla								
	at 100 apart as per details in Calculation Sheet	35	103	Cft		3605	Cft	- 9 -	2028
3	Cement pointing to Superstructure only to exposed parts	35	1	Sqr	—	3500	Sqr	3	105
4	Constructing Rough stone								
	revetment including								
	jelly filling etc,								
	complete for a width								
	of 5 ft along the slope	5 X 2	660	5	1½	49500			
	Bed of halla	5	660	5	1½	24750			
	Total in Cfts					74250	Cyd	28 -	6875
			or cyds			2750			
									9125

Whether this would be necessary after putting Groynes at short intervals

Carried Over

Item No		No	L	B	D	Cor nats	Total
	Brought Forward						9123
5	Earth work for constructing revetment & filling wherever necessary —	5 X 50 Rs		—	—		258
6	Unforeseen charges —	—		L S	—		219
7	Temporary establishment (Temporary Mastry on Rs 25/pm for 8 months)						200
					Total	Rs	9800
				Total cost of 2 Nos -			4200
					Grand total	Rs	14000/-

R Madhavan
22/4/40

V/4 Vittuchar Rao
Sanitary Engineer,
Bureau of Sanitary Engineering
Bangalore
18/4/40

Carried Over

WD 02321—GPB—25 000—6 9 39

MAP

FLAG
MAP

G.M. 3290
IMMEDIATE

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144
Telegram HEALTH

SESHADRI ROAD,

No C 426-18

Bangalore (S India) dated 27th January 19 40

Encl

SECY DEV DEPT * 29 JAN 1940 * GOVT OF MYSORE

FROM

P PARTHASARATHY, ESQ, LMS, MSSC LRCP, LRCS DTM, DPH,
Director of Public Health with the Government of His Highness the Maharaja of Mysore, Bangalore

To

The Secretary to Government,
Development Department, B a n g a l o r e

SIR

Subject Malaria Survey of Koppa Town

In continuation of this office No C 426-10 dated 10th July 1939 and with reference to your letter dated 13th January 1940 calling for the estimates for the several permanent measures for the prevention of malaria in Koppa Town, I have the honour to state that the estimates have not been received from the Sanitary Engineer He has been reminded this day to submit the same immediately, on receipt of which proposals will be submitted to Government This work is held up for want of sufficient number of subordinates in the Bureau of Sanitary Engineering

I have the honour to be,

S i r

Your most obedient servant,

P. Parthasarathy

Director of Public Health

Appendix F G —1]

SUBJECT

Section PH

File No

Serial No

Diary No of letter replied to

No G 8156

To

The Director of PH

General and Revenue Secretariat

( )

the *193*

Sir,

I am directed to invite reference to your letter No. C 426-10 of 10-7-1939 and the from the Office subsequent reminders pending with letter No G. 6446/PH of 13-1-1940 to submission of the revised estimated cost for the permanent measures for the prevention of malaria in the Koppa Town and to request you to expedite the estimates

Date of issue 19 3 40

Signed by Mr M M C S

List of enclosures

Copied by

Examined by

I have etc.,

by

for Secy to Govt

Dev! Dept.

WD 0563—GPB—30 000—6 1 39

Gr 4123

GOVERNMENT OF MYSORE

Urgent

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144
Telegram HEALTH
No C 426-21
Encl

SECY DEV DEPT
29 MAR 1940
GOVT OF MYSORE

SESHADRI ROAD,

Bangalore (S India) dated March 27 *19* 40

28

FROM

P PARTHASARATHY, ESQ, LMS, BSSc LRCP, LRCS, DTM, DPH,
Director of Public Health with the Government of His Highness the Maharaja of Mysore, Bangalore

To

The Secretary to Government,
Development Department, Bangalore

SIR

Subject Estimate for the several permanent measures for the prevention of malaria in Kolar Town

---

With reference to your letter No G 8156 dated 18th March 1940, I have the honour to intimate that the estimates called for from the Sanitary Engineer have not been received He is reminded As soon as they are received, they will be forwarded to Government

I have the honour to be,

Sir

Your most obedient servant,

P Parthasarathy

Director of Public Health

Sub-Ltr permitted.

Commitments under 30 Grants for Public Improvements.

2. IMPROVEMENT OF TOWNS AND ...

LETTER/DIAL

GOVERNMENT OF MYSORE

~~4491~~ 4491

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144 SESHADRI ROAD,

Telegram HEALTH

PH DEPT 1340 Bangalore (S India) dated April 17 19 40

No C 1119-70 3-2 1 Cy/94 Mysore

Encl Three

GEN & REV SECTT * 19 APR 1340 * GEN I/B BRANCH

FROM

P PARTHASARATHY ESQ LMS BSSc LRCP DPH DTM DPH

Director of Public Health with the Government of His Highness the Maharaja of Mysore Bangalore

To

The Secretary to Government,
Development Department, Bangalore

SIR

Subject Town Improvement and Water Supply grants for the year 1940-41.

I have the honour to forward herewith a statement showing the commitments and promises already made under Town Improvement and Water Supply grants for the year 1940-41 and a statement showing the allotments required under the two heads for the year 1940-41.

I have the honour to be,
S i r
Your most obedient servant,

Director of Public Health in charge

Commitments under 30 Grants for Public Improvements.

2. IMPROVEMENT OF TOWNS AND MINOR MUNICIPALITIES.

	Government grant promised.	1940-41. Rs
1. Mudigere Drainage Scheme		7,500
2. Construction of a Town Hall at Malur.		4,000
3. Drainage Scheme to Chickmagalur		The question of grant to be considered.
4. Construction of drains in Sira Town Municipality.		24,100
5. Acqusition of certain sites opposite to the Rural Welfare Centre Building at Closepet.		1,000
6. 5th Stage Drainage Scheme of Chamarajanagar Town Municipality.		9,757
7. For Tidying up the Fort Wall Area at Seringapatam.		2,000
8. Surveying charges ..		1,000
...		49,357
9 For forming a Health Unit at Periyapatna		10,981

3 IMPROVEMENT OF WATER SUPPLY IN TOWNS

1. Transferring the control of the maintenance of Tumkur Water Supply to the Bureau of Sanitary Engineering and the appointment of a Water Inspector.		600
2. Water Supply to Chitaldrug Town (Kathral Project)	(Municipality Rs. 1,00,000)	3,00,000
3. Improvement of Nanjangud Water Supply		6,800
4. Improvement of Chickmagalur Water Supply (as per G.O. No. L. 8606-9/M1.157-38-7 dated 6-4-1940)		8,805
		3,16,205

DIRECTOR OF PUBLIC HEALTH
in charge

Schemes for controlling Malaria in Different Towns.

I. SCHEMES ALREADY SANCTIONED.

Names of Towns.	Estimated amount.	Remarks.
1. Hiriyur Rs.	60,570	Works progressing
2. Mudigere	4,520	Work to be started
3. Belur	4,750	Work progressing
4. Chickmagalur	14,200	Estimate not sanctioned.
5. Sakrepatna	9,306	Partly worked out
6. Mysore-Kukkarahalli tank	4,500	Estimate not sanctioned
7. Balehally Village (Chickmagalur Taluk)		
8. French Rocks	18,500	-do-
9. Periyapatna	7,500 } 3,000 }	Work to be started.
10. Garjee Village		
11. Canalising the waste weir Halla of Mandya tank.	25,875	Estimate not sanctioned.

II. SCHEMES UNDER PREPARATION

12. Koppa

III. SCHEMES TO BE PREPARED.

13. Chatnahalli Village
14. Haripur Village
15. Baradanapur Village
16. Mandya
17. Kodihalli Farm
18. Malligere Farm
19. Satnur Farm
20. Irwin Canal Farm

DIRECTOR OF PUBLIC HEALTH
in charge

Statement of allotments required ror the year 1940.

30 G. 2 & 3

No	Name of work	Amount required.	Remarks
	30 G (2) Improvements oi water supply in towns.		
1	Belur water supply. Estimate aamount Rs 32,890/- Govt. share Rs 16,445/-	6,500	Pevised est for Rs. 47,000/- is submitted in this office lo dated 10th February 1940.
2.	Improvements to Shimoga Water Works. Estimate amount Rs. 1,43,750/- Govt. share Rs. 71,875/-	9,895	As per Secret 5144 dated 26/29th November 1939 from the Secretary Government, L.S.G. Department, to the Deputy Commissioner, Shimoga District This will not be required at 100 is ordered to be reappropriated during the ut year A sum of Rs. 1,900 only will have to be ded for 40-41 ~~them~~.
	30. G. (3) Improvements to towns and minor Municipalities		
	Mysore District		
1.	Hunsur drainage 1st stage .. .	2,000	
2.	Bannur drainage ..	1,000	
		3,000	
	Mandya District		As per order the 2nd Member of Council, vide letter No. dated from the Deputy Commissioner Mysore District, Mysore.
1.	Maddur Drainage	5,800	
	Hassan District		
1.	Hassan Drainage 3rd stage Estimate Rs 12,000		
2.	Saklespur drainage " Rs. 19,500 ..	6,000	
3.	Konanur drainage " Rs 23,700 .	4,000	
4.	Channarayapatna drainage " Rs 10,960 .	4,000	
	...	2,000	
		16,000	
	Kadur District.		G.O. No. L [illegible]Ml. 158-38-16/16-3-1940.
	Koppa drainage - estimate amount Rs. 14,000 Mi[illegible] 17,830	3,500	

1.	Hassan Drainage	3rd stage estimate	Rs. 12,000 ..	6,000
2.	Chikmagalur drainage	"	Rs. 19,500 ..	4,000
3.	Konanur drainage	"	Rs. 23,700 .	4,000
4.	Channarayapatna drainage	"	Rs 10,960 ..	2,000
				16,000

G.O. No. L 7[illegible]/M1 158-38-16/16-3-1940.

Kadur District.

1	Koppa drainage - estimate amount Rs. 14,000		3,500
2.	Mudigere - " " 17,530		7,500
			11,000

As per letter L 6978/M1. 51-39 dated 8-2-1940 from Law Secretary Govt. to Deputy Commissioner, Kadur District

Shimoga District

1.	Bhadravathi Drainage - estimate Rs. 26,000	6,000

Chitaldrug District

1	Molakalmuru drainage - estimate Rs. 11,095/-	2,000
2.	Jagalur	1,000
		3,000

Kolar District

1.	Kolar Drainage - estimate amount Rs. 1,55,396	5,000
2.	Mulbagal town improvement estimate Rs. 1,500	1,500
3.	Chikballapur drainage 1st stage " Rs. 73,000	4,000
		10,500

Bangalore District

1.	Channapatna drainage - estimate Rs 1,08,100	3,000

As per Govt. Order No L 3024-7/M1. 111-38-4 dated 21-9-1939. Govt have said that the municipality should bear all the cost from 40-41 onwards, but a provision of Rs. 3,000 is recommended.

2.	Doddaballapur drainage	Estimate cost .. 88,080	4,000
			7,000

Tumkur District

Sira Drainage - estimate cost Rs 24,100

[illegible]
[illegible]neer.

(3 Copies)

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No ~~G 8156/PH~~ G/115 *Bangalore, Dated,* ~~19th~~ **March, 1940.** 6/7/40

From

The Secretary to the Government of His Highness the Maharaja of Mysore
Development Department

To

The Director of Public Health,
Bangalore

Sir,

I am directed to invite reference to your letter No.C.426-10 dated 10th July 1939 and the subsequent reminders from this office ending with No G 8156/PH dt 19-3-1940, ~~No.G.8446/P." dated 13th January 1940,~~ regarding submission of the total estimated cost for the several permanent measures for the prevention of Malaria in the Koppa Town and to request you to expedite the estimates

I have the honour to be,

Sir,

Your most obedient servant,

(Draft) 4/7

For Secretary to Government,
Development Department

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4/7

TN/2

G.M 350
53

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144
Telegram HEALTH
No C 238
Encl

SESHADRI ROAD,
Bangalore (S India) dated July 18 1940

DEVY DEV DEPT 22 JUL 1940 GOVT

19

FROM

P PARTHASARATHY Esq LMS BSSc LRCP LRCS DTM DPH
Director of Public Health with the Government of His Highness the Maharaja of Mysore Bangalore

DEVY DEPT 24 JUL 1940 MYSORE

The Secretary to Government,
Development Department, B a n g a l o r e

SIR Subject Malaria in Koppa Town

With reference to your letter No G 115/1.H dated 6th July 1940, I have the honour to inform that the estimate has been prepared As the estimate is for Rs 14,000/- as prepared by the Sanitary Engineer, I am keeping it back for personal inspection of the site, soon after the rains stop so that conditions may be studied at the time when preventive measures are to be taken

I have the honour to be,
S i r
Your most obedient servant,

Director of Public Health

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated, Bangalore, 1st Sept~~July~~ 1940

No G 1903. PH

FROM

The Secretary to the Government of His Highness the Maharaja of Mysore
Development Department

To

The Director of Public Health in Mysore,
Bangalore

I am directed to invite reference to your letter No C 426-10 dated 10th July 1939 and the subsequent reminders from this office ending with No G ~~6156~~ 1145/P H. dated ~~10th March~~ 6th July 1940, regarding submission of the total estimated cost for the several permanent measures for the prevention of Malaria in the Koppa Twon and to request you to expedite the estimates

I have the honour to be
Sir,
Your most obedient servant

Draft) K. Ramaswamy 29/8

For Secretary to Government,
Development Department

Tsn/3

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat 11A Nov.

GM 1367

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144
Telegram HEALTH
No C 2384
Encl

SEOY DEV DEPT 23 SEP 1940 GOVT OF MYSORE

SESHADRI ROAD

Bangalore (S India) dated Sept 19, 1940

20

FROM

P PARTHASARATHY ESQ LMS BSSc LRCP LRCS DTM DPH
Director of Public Health with the Government of His Highness the Maharaja of Mysore Bangalore

To

The Secretary to Government,
Development Department, Bangalore

Subject - Malaria in Koppa Town

SIR

With reference to your letter No G 1903 dated 2nd September 1940 calling for an estimate for the several permanent measures for the prevention of malaria in the Koppa Town, I have the honour to invite kind reference to this office letter No 238 dated 19th July 1940 intimating that the conditions will be studied by personal inspection after the rains stop and the estimate submitted etc

I have the honour to be,
Sir,
Your most obedient servant,
P Parthasarathy
Director of Public Health

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No G 4194 3 copies

Dated, Bangalore, 16th ~~July~~ Nov. 1940

FROM

The Secretary to the Government of His Highness the Maharaja of Mysore
Development Department

To

The Director of Public Health in Mysore,
Bangalore

I am directed to invite reference to your letter No C 426-10 dated 10th July 1939 and the subsequent reminders from this office ending with No G.~~8166/P.H.~~ 1903/PH dated 1st Sept 1940, ~~19th March~~ regarding submission of the total estimated cost for the several permanent measures for the prevention of Malaria in the Koppa Twon and to request you to ~~expedite~~ send Date when the estimates may be expected

I have the honour to be
Sir,
Your most obedient servant

Draft

For Secretary to Government,
Development Department

Tan/3

GPJ 2573

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144 SESHADRI ROAD,

Telegram HEALTH

Bangalore (S India) dated 28-11-194 0

No C 238-6

Encl

FROM

P PARTHASARATHY ESQ LMS BSSc LRCP LRCS DTM DPH

Director of Public Health with the Government of His Highness the Maharaja of Mysore Bangalore

To

The Secretary to Government,
Development Department,
Bangalore

SIR

Subject - Malaria in Koppa Town.

With reference to your letter No G 4194/P H dated 16th November 1940 on the above subject, I have the honour to inform that, as already intimated, that the conditions will be studied by personal inspection after the rains stop and the estimate submitted to Government

I have the honour to be,
Sir,
Your most obedient servant,

Director of Public Health

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No G6687 / PH *Bangalore, dated* 13th Jan 41 ~~November 1940~~

FROM

The Secretary to the Government of His Highness
the Maharaja of Mysore

To Development Department.

The Director of Public Health in Mysore,
Bangalore.

Sir,

I am directed to invite reference to your letter No.C.426-10 dated 10th July 1939 and the subsequent reminders from this office ending with No G ~~4905/P~~ 4194 H dated ~~2nd~~ 16th ~~September~~ November 1940, regarding submission of the total estimated cost for the several permanent measures for the prevention of Malaria in the Koppa Town and to request you to kindly ~~state when the estimates may be expected to be received in this office~~ expedite your reply

I have the honor to be,
Sir,
Your most obedient servant,

Drafted by
For Secretary to Government,
Development Department

SH/3

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No G 7984 / D

Bangalore, dated ~~November 1940.~~ 11/3/41

FROM

The Secretary to the Government of His Highness the Maharaja of Mysore

To **Development Department.**

The Director of Public Health in Mysore,
Bangalore.

Sir,

I am directed to invite reference to your letter No C 426-10 dated 10th July 1939 and the subsequent reminders from this office ending with No C (6097 ~~4464~~)/~~1935~~/P.H dated ~~2nd~~ 13th ~~September 1940~~, January 1941, regarding submission of the total estimated cost for the several permanent measures for the prevention of Malaria in the Koppa Town and to request you to kindly ~~state whether the estimates may be expected, to be received in this office~~ expedite your reply.

I have the honor to be,
Sir,
Your most obedient servant,

Dwg

For Secretary to Government,
Development Department.

SR/3

G 8/3

App F XI—4]

File No 5-39

Serial No

Sus Regr No

Shall a reminder issue to

The DDH

for a reply to this Office No , dated the

His Office Letter No C.42640 of 10-7-39

Subject

Estimate for the General Permanent Measures for the prevention of malaria in Koppa Town

TYPING SECTION 4 JULY 1940 GEN & SECTT

Field. to cite a reminder.

15/11

Issue by 15/11

Field with a reminder

9/1

Issue by 9/11/40

Field. with a drop reminder.

REMINDERS

No	Date	
G 4419	18/11/39	
G 6446	13/1/40	

Issue by

Minute No. G 8158 of 19-3-40.

SECTION 1 APR 1940

Filed with a draft Reminder

Issue by

Reminder No. G. 116 of 2-7-40

TYPING SECTION 5 JULY 1940 GEN & SECTT

WD 0782—GPR—3,750—1938 37

[redacted] with a draft reply under. [redacted]

[redacted]

TYPING SECTION
25 AUG 1940
GEN & REV BRANCH OTT

Issued No G 1903 D 2-9-40

Sent with a draft reminder.

13/11

13/11 Issued No Gen. G 4194 D 16-11-40

TYPING SECTION
13 NOV 1940
GEN & REV BRANCH OTT

Sent with a draft reminder.

10/1/41

TYPING SECTION
11 JAN 1941
GEN & REV BRANCH OTT

Issued No G 6087 D 13-1-41

Sent with a draft reminder

3

Issued No G 7984 D 11-3-1941

TYPING SECTION
12 MAR 1941
GEN & REV BRANCH OTT

GOVERNMENT OF MYSORE

DEPARTMENT OF PUBLIC HEALTH

Telephone No 2144
Telegram HEALTH

SESHADRI ROAD,

Bangalore (S India) dated 29th March 194 1

No C 1453-4
Encl one

From

P. PARTHASARATHY Esq LMS BSSc LRCP LRCS DTM DPH
Director of Public Health with the Government of
His Highness the Maharaja of Mysore Bangalore

To

The Secretary to Government,
Law Department,
Bangalore

With reference to memo No L 6133 dated 17th February 1941 calling for particulars of amount that would be required for malarial control during 1941-42, I have the honour to enclose herewith a statement showing amounts required for malaria control by engineering measures in Hiriyur, Belur, Mudigere, Sakrepatna and Koppa during 1941-42

I have the honour to be,

Sir,

Your most obedient servant,

P Parthasarathy

Director of Public Health

Note —
This paper was sent for reference at meeting today in Dewan's Chambers
Subject came for discussion, the

4791/2 BGM 4694

H explained

the position & the need for the proposed grant in regard to each of the items in the enclosed Statement.

The Dewan instructed that the case might be worked up very early, & that particularly in regard to Hiriyur, the work that has been up, might be completed with the help of Town Impt grants

Low Secy
WJC

4/4

Hm
4/4/41

Hm
M Ins

Sl No	Name of work	Amount of estimate	outlay	Amount required during 41-4
1	Hiriyur (For complete canalisation of the river bed and sub-soil drainage of the valley	60,570	11,000	40,000
2	Belur (For canalising and grading the Vishnusamudra valley and draining out the inner moat)	4,750	4,677	3,000
3	Ludigere (For construction of a sypnon across the Yennehole river at Ludigere	4,520 9306	nil	2,300
4	Sakrepatna (Filling in two big pits at Sakrepatna	8,760 estimate (2,630 grant)	1,230	8076 (7,000)
5	Kopba	14,000	nil	14,000

Sd/- K S H Rao,
Sanitary Engineer

2650
1230
1420

' Copy "
S Bankaraya
Director of Public Health

Appendix F G—1]

SUBJECT

Section P.H

File No

Serial No

Diary No of letter replied to

No G 1/1418

To

The Director of Public Health

Sir

With reference to my letter No C 1453-4 dated 29th March 1941 forwarding a statement showing the amounts required for Malaria control ~~work~~ by Engineering measures in Hewayua, Belur, Mudigere, Sakrepatna and Kolar during 1941-42 I am directed to state that the scheme is costly entailing expenditure to the extent of Rs 67,376/- and the

General and Revenue Secretariat

( )

the *193*

Date of issue 30/6/41

Signed by MM C S S.C

List of enclosures

Copied by

Examined by

WD 0563—GPB—30 000—6 1 39

~~Budget for 1941-42 has been~~
~~fixed at Rs. In This connection~~
directed
I am to request you to furnish a more detailed report
~~in~~ as to the work or works
which have already been started
and are in progress, their estimated cost,
probable outlay till the end
of the current year and mini-
mum provision necessary therefor
in the next budget for 1941-42

Have etc

Andrews

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

No G 11418/8 H.

Dated Bangalore, 30th June, 1941

FROM

The Secretary to the Government of His Highness the Maharaja of Mysore
Development Department

To

The Director of Public Health in Mysore,
Bangalore

S i r,

With reference to your letter No C 1453-4 dated 29th March 1941 forwarding a statement showing the amounts required for malaria control by engineering measures in Hiriyur, Belur, Mudigere, Sakrepatna, and Koppa during 1941-42, I am directed to request you to furnish a more detailed report as to the work or works which have already been started and are in progress, their estimated cost, probable outlay till the end of the year 1940-41 and minimum provision necessary therefor in the budget for 1941-42

I have the honour to be,

S i r,

Your most obedient servant,

for Secretary to Government
Development Department

NDA 2

Appendix F G—1]

SUBJECT

Section PH

File No

Serial No

No G 4493

To

The Director of Public Health

Sir,

I am directed to invite reference to this Office letter No. G. 11418/PH dated 30th June 1941 calling for an early and detailed report in connection with the amount required for malaria control by engineering measures in Hingyee, Nellie, Ludigere, Vakkalpatina and Koppa during 1941-42 and to request you will be expedite your reply.

I have etc,

for Secretary to Govt
Genl Secy

Diary No of letter replied to

General and Revenue Secretariat

( )

the 193

Date of issue 11/11/41

Signed by Mr G. R Rao

List of enclosures

Copied by

Examined by

WD 0563—GPB—30 000—6 1 39

10/11/41

4394

GOVERNMENT OF MYSORE

STATE DEPARTMENT OF HEALTH

BUREAU OF EPIDEMIOLOGY AND COMMUNICABLE DISEASES

SESHADRI ROAD

No B/E 1868

Bangalore (S India) dated 15th January 194 2

From

The Director of Public Health in Mysore, Bangalore

To

The Secretary to Government
Development Department, Bangalore

Sub: Amounts required for Anti-malaria works in 1941-42

Sir,

With reference to your letter No G 11418/P H dated 30-6-1941 and subsequent reminder No 4493 dated 11-11-1941 thereon, I have the honour to enclose herewith a copy of letter No B E 1576 dated 12-12-1941, addressed to the Secretary to Government, Law Department, for your kind information

I have the honour to be,
Sir,
Your most obedient servant,

Director of Public Health

cost was much higher than the amount of the estimate the works were not undertaken

Letter No B L 1576 dated 12th December 1941 of the Director of Public Health in Mysore, Bangalore to the Secretary to Government, Law Department, Bangalore.

Consolidated proposals for antimalaria engineering works at Hiriyur, Belur, Tudigere and Sakrepatna

---

With reference to your letter No L 1703 dated 28-8-1941 and subsequent reminders thereon, on the above subject, I have the honour to state that the amount required for the antimalaria works is Rs 42,761/-, as per details given below

A note giving the details of the works in each place is appended.

Chitaldrug District	-- Hiriyur		Rs 10,000/-
Hassan District	Belur		6,200/-
Kadur District	Tudigere Rs	4,620/-	
	Koppa	14,000	
	Sakrapatna	8041/-	
			26,561/-
		Grand Total:	42,761/-

"Copy"

Director of Public Health

cost was much higher than the amount of the estimate the works were not undertaken the full amount may be provided during the current year

A Note on the Engineering Works for Malaria Control in Hiriyur Belur, Kadigere and Koppa and Sakrapatna

HIRIYUR - The amount of the comprehensive scheme for this work is Rs 60,570/-, the first and second stages of the work amounting respectively to Rs 3,700/- and Rs.7,000/- have been executed so far and the outlay booked is about Rs.8,500/-

The comprehensive scheme consists of the following major heads:

i) Nallas and ponds
ii) Installation of flushing gates in the channels
iii) Canalising the river

i) Under nallas and ponds, so far as the progress secured uptodate is concerned, a sub soil jelly drain to a length of 2,700 r ft has been constructed and clay pipes have been laid over a length of 3,925 ft In addition to this an open drain with the bottom and sides rivetted has been constructed to a length of 1,520 ft and the excavation of a further length of 5,000 ft is completed to put in necessary pipes Two automatic syphons of Devillier's type have been installed in Cheeta and Kallerhalla valleys

ii) A flushing gate for installation on the right bank channel has been manufactured at the Central Industrial Workshop Bangalore, along with necessary gear arrangement and the masonry works connected with the installation of the same have been entrusted to the Executiv Engineer, Chitaldrug Division

iii) An earthen channel with an average depth of 3 ft. and about 12 ft. wide has been opened in the bed of the river in order to clear the flow into the same This is an incomplete work and the channel has to be deepened and widened besides providing a lining of impervious material so as to prevent pockets being formed

In addition to these, certain minor works such as jungle clear clearing of vegetation in the marshy areas, putting up slabs across channel crossings have been done in order to prevent the stagnation of water

cost was much higher than the amount of the estimate the works were

Regarding the further amounts required, a sum of Rs 10,000/- may be provided for further works connected with canalising the river bed and for the erection of the automatic syphons across the channels It is, however, noticed that the rates provided for these items of work require revision, so that until the estimate is revised, it is not possible to undertake the respective items of work.

B e l u r. - An estimate amounting to Rs 4,750/- has been sanctioned in Government order No L 5659-61/P1 48-38-198 dated 19th December 1939 for engineering works to control malaria at Belur and the outlay incurred upon the same so far is Rs.4,676-8-0

The sanctioned estimate provided for grading the bed of the fort moat at Belur with necessary construction of culverts so as to drain off all the water without giving room for stagnation, and at the same time it provided for filling up the scours in the waste weir valley of Kalsankere Tank, so as to prevent the breeding of mosquitoes there

Both these items of work have been completed but it is noticed that there are a few points in the fort moat where stagnation is still taking place and it is necessary to close them up in order to derive the best results from the works executed so far. This is estimated to cost Rs 1,200/-

In addition to these, there is another spot where mosquitoes breed at Belur, viz , the waste weir valley of Vishnusamudra Tank Detailed estimates for this work are not yet prepared A sum of Rs 5,000/- may be provided for this during the current year

Mudigere - No works have been started at Mudigere The construction of automatic syphons across the Bundekere Halla at Mudigere was the one work estimated at Rs.4,520/-. Tenders for this work were called for during 1939-40, and since the cost

Director of Public

cost was much higher than the amount of the estimate the works were not undertaken The full amount may be provided during the current year

Koppa - The anti-malaria works are estimated to cost Rs.14,000/-, but no amounthas so far beeh sanctioned and no works have been undertake A sum of Rs 14,000 may be provided during the current year

Sakrepatna - The amount of the comprehensive scheme for this work is Rs 9,306/- This includes Rs 6,250/- being the cost of estimate submitted by this office and Rs 3,056/- being the cost of acuisition of lands as per Bureau of Epidemiology Superintendent's recommendations for including the same to the estimate prepared by this office for executing the permanent works suggested

During the year 1938-39, the work of clearing the rank vegetation in the moat was carried out, which has amounted to Rs 1,265 as per booked outlay

The comprehensive scheme consists of the following major heads.-

1.	Earth work filling for deep scours to regrade the bed of the moat	Rs 3,804/-
2	Constructing a retaining wall with rought stone in mortar, for protecting the earth from securing action at the existing opening leading to Vedavati River	Rs 96/-
3	Thick Jungle clearing in the bed of moat with roots	Rs 800/
4	Providing side revetment for the irrigation channels with in a half mile zone of the peripherry of the village	Rs 1,320/-
5	Acquisition of wet lands (as per subsequent recommendations of the Superintendent, Bureau of Epddemiolcgy)	Rs 3,056/-
	Contingencies	230/-

The amount of comprehensive scheme is Rs 9,306/- For jungle clearin an amount of Rs 1,265/- has already been spent The balance of Rs 8,041 may be provided for the remaining items of the scheme

Thus the total amount required for the antimalaria works during the current year is 42,761/- as follows.-

Hiriyur	Rs 10,000/-	0
Belur	6,200/-	0
Mudigere	4,520/-	0 Total
Koppa	14,000/-	0 Rs 42,761
Sakrapatna	8,041/-	0

"Copy"

Director of Public